

Title (en)

Terminal assembly for vented circuit breaker and circuit breaker incorporating same

Title (de)

Anschlussanordnung für Schutzschalter mit Entlüftungskanalen und Schutzschalter mit einer solchen Anschlussanordnung

Title (fr)

Ensemble borne pour disjoncteur à événements et disjoncteur à événements l'incorporant

Publication

**EP 1632972 A1 20060308 (EN)**

Application

**EP 05019240 A 20050905**

Priority

US 93396804 A 20040903

Abstract (en)

A circuit breaker (1) vents at least some of the arc gases generated during current interruption from an internal cavity (11) containing separable contacts (13) through a terminal recess vent (73) in a wall (27) in the housing (3) into an external terminal recess (25). The line side main conductor (19) extends through the same wall into the external terminal recess adjacent the vent and into a collar (45) of a terminal assembly (43). An electrically conductive stand (59) seated on the main conductor electrically connects to the main conductor an external conductor (67) clamped against the stand by a terminal screw (47) threaded through the collar. The stand has a through opening (75) aligned with the terminal recess vent to pass the arc gases through the external terminal recess to atmosphere.

IPC 8 full level

**H01H 71/08** (2006.01); **H01H 9/30** (2006.01); **H01R 4/38** (2006.01)

CPC (source: EP US)

**H01H 9/342** (2013.01 - EP US); **H01H 71/08** (2013.01 - EP US); **H01R 4/363** (2013.01 - EP US); **H01H 1/5855** (2013.01 - EP US); **H01H 2001/5861** (2013.01 - EP US)

Citation (search report)

- [A] US 5796061 A 19980818 - FABRIZI FABRIZIO [IT], et al
- [A] US 5811749 A 19980922 - BAUSCH CHRISTOPH [DE], et al
- [A] US 6084188 A 20000704 - MUELLER ROBERT W [US], et al
- [A] EP 1372175 A1 20031217 - ABB SCHWEIZ AG [CH]

Cited by

EP2573789A1; EP2575156A1; CN103975408A; US9147541B2; WO2013041358A1; WO2013045851A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1632972 A1 20060308**; **EP 1632972 B1 20071121**; CA 2518022 A1 20060303; CN 1744252 A 20060308; DE 602005003411 D1 20080103; DE 602005003411 T2 20080925; US 2006049145 A1 20060309; US 7009132 B1 20060307; ZA 200507080 B 20060531

DOCDB simple family (application)

**EP 05019240 A 20050905**; CA 2518022 A 20050902; CN 200510095844 A 20050902; DE 602005003411 T 20050905; US 93396804 A 20040903; ZA 200507080 A 20050902